GENERAL

February 25, 1953

NUCLEONICS DEPARTMENT

HANFORD WORKS

RICHLAND, WASHINGTON

AIR MAIL

U.S. Atomic Energy Commission Division of Biology & Medicine Washington 25, D.C.

Attention: Dr. J. C. Bugher, Director

Dear Dr. Bugher:

TRI-PARTITE CONFERENCE ON PERMISSIBLE DOSES

For the subject conference, I would like to present our data on the permissible concentration of plutonium in drinking water, and on the discrepancy between the permissible limit for I13I in the atmosphere, compared with vegetation contamination.

Presumably there will be a discussion of the tritium hazard. In this field, too, Hanford has a significant body of relatively new information.

Some of the principal matters that we would like to hear discussed, without significant contribution from us are:

- (1) Policy on planned emergency exposures.
- The number of weeks over which exposure may be reasonably averaged.
- The genetic effect. **(**3)
- (4) Permissible limits for persons not occupationally exposed.
- (5) Permissible limits for life forms other than man.
- (6) Progress on the problem of relationship between radium content of drinking water and incidence of bone lesions.

RADIOLOGICAL SCIENCES DEPARTMENT

HM Parker:swc

ORGANIZATION & MANAGEMENT 6-2 early